

Title (en)

Electronic monitoring of the driving force of a drive

Title (de)

Elektronische Überwachung der Antriebskraft eines Antriebs

Title (fr)

Surveillance électronique de la force motrice d'un entraînement

Publication

EP 0786848 B1 20020227 (DE)

Application

EP 96118542 A 19961119

Priority

DE 19602633 A 19960125

Abstract (en)

[origin: EP0786848A1] The circuit includes a transducer (2) to which the driving force (F) is applied producing an analogue signal (2a) for comparison (4) with a reference voltage (3a) from a set-point (1) and digital-analogue convertor (3). The desired value (1a) of stress is stored in the digital memory of the set-point. An error signal (4a) is generated as soon as the voltage representing the measured force deviates in a predetermined manner from the constant or time-varying reference voltage. The monitored drive may be a DC motor whose force may be determined by measurement of its current.

IPC 1-7

H02H 7/085

IPC 8 full level

G05B 19/05 (2006.01); **G05B 19/048** (2006.01); **H02H 7/085** (2006.01)

CPC (source: EP US)

H02H 7/0851 (2013.01 - EP US)

Cited by

US6133703A; GB2354646A; US6051947A; US6400112B1; US6414454B1; US6172475B1; US6229276B1; US6239569B1; US6246196B1; US6278249B1; US6417637B2; US6456022B1; US6683431B2; US6710560B2; US6720747B1; US6744231B2

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IE IT LI NL PT SE

DOCDB simple family (publication)

EP 0786848 A1 19970730; EP 0786848 B1 20020227; AT E213879 T1 20020315; DE 19602633 A1 19970731; DE 59608795 D1 20020404; DK 0786848 T3 20020603; ES 2173240 T3 20021016; JP H09237108 A 19970909; PT 786848 E 20020830; US 5870050 A 19990209

DOCDB simple family (application)

EP 96118542 A 19961119; AT 96118542 T 19961119; DE 19602633 A 19960125; DE 59608795 T 19961119; DK 96118542 T 19961119; ES 96118542 T 19961119; JP 1240197 A 19970127; PT 96118542 T 19961119; US 78805597 A 19970123